

## HYTEK RWD - REMOTE WARNING DEVICE



Applies to the following models **ONLY**:

**RWD2**

Please read carefully **BEFORE** commencing installation.

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## **ENVIRONMENTAL INFORMATION**



UK Regulation SI 2013 3113 requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product must be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities.

## **IMPORTANT WARNING NOTES**

1. The RWD must not be sited adjacent to a petrol dispenser or in any other hazardous zone.
2. It must not be sited below ground level.
3. Installation of this equipment should be carried out by a qualified installation engineer.
4. The installation must conform to all relevant electrical and local authority regulations and standards.

## **PRODUCT DESCRIPTION**

The RWD box is designed to provide an audible and visible alarm in the event of an alarm's external passive output being activated

## **SPECIFICATION**

- 230V 3-channel warning device.
- IP55 weatherproof enclosure, for outside mounting.
- Each channel can be connected to either normally open or normally closed switch contacts.
- High power 90db alarm sounder.
- High visibility flashing zenon beacon.
- Test button checks float switches as well as beacon & sounder.

# **INSTALLATION INSTRUCTIONS**

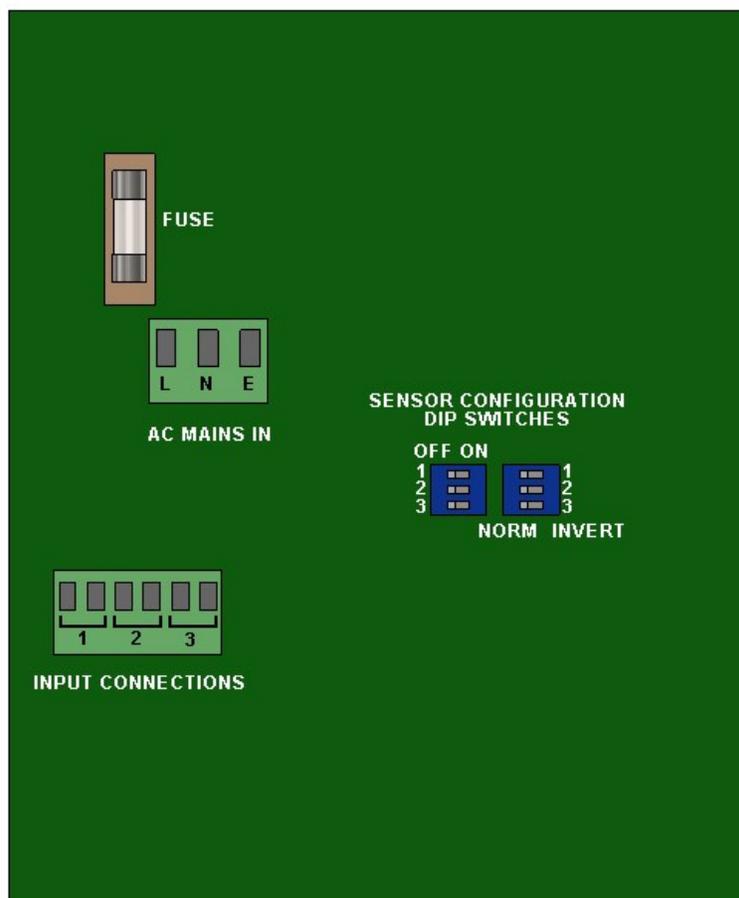
## **MOUNTING**

1. Remove front display lid from RWD box and disconnect ribbon cable. Place the lid somewhere clean and safe.
2. Screw the RWD box to a suitable wall or vertical surface using the mounting lugs provided.
3. Self-adhesive product labels are supplied and can be fixed alongside the corresponding channel LED indicator on the front of the RWD unit.

## **POWER SUPPLY**

4. The RWD is designed to have a continual 230V AC supply fused at a rating of 6 amps max. See Connections diagram.

## **CONNECTIONS DIAGRAM**



## EXTERNAL SWITCH CONNECTION

5. Connect up to three pairs of remote passive switch contacts, rated to a minimum of 5V AC/DC 1 Amp, to the corresponding input connections terminals (see connections diagram) using suitable signal cable with a maximum length of 100 metres.

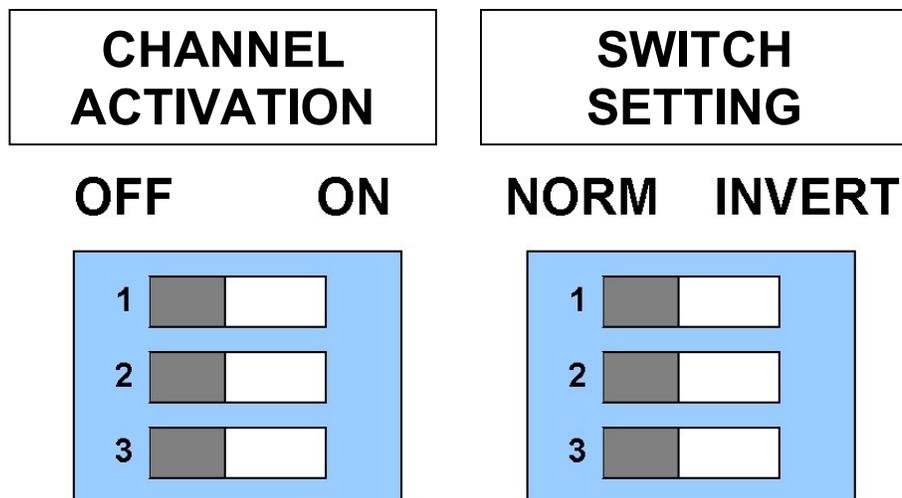
## INPUT ACTIVATION AND CONFIGURATION

6. Connect the remote passive switch contacts to the input connections terminals inside the RWD box as per connections diagram.
7. After connecting the desired amount of pairs of switch contacts, activate the corresponding channels by setting the appropriate channel activation dipswitch to "ON" position. See Dip switch settings diagram.

**NB: If a channel activation dipswitch is in the "OFF" position and a switch connected to the corresponding terminals is operated, the RWD alarm will not function.**

8. Set the switch setting dipswitches to the appropriate position (NORM = normally open, INVERT = normally closed) to enable the RWD to alarm when the remote switch is activated. See Dip switch settings diagram.

## DIPSWITCH SETTINGS DIAGRAM



## **COMPLETION OF INSTALLATION**

9. Refit lid to RWD box ensuring that ribbon cable is reconnected to the main PCB and the lid seal is in place.
10. Switch on power. The green "POWER" LED should illuminate.

## **OPERATION**

### **POWER STATUS**

The Power LED will remain illuminated to indicate that there is mains power to the unit

### **ALARM CONDITION**

When an alarm condition occurs the corresponding channel LED on the RWD lid is illuminated and the sounder/beacon will activate.

### **RWD SWITCH CHANNEL FAULT INDICATION**

If any of the channel LEDs flashes repeatedly then this indicates a fault with the RWD switch channel.

### **RWD ALARM MUTE**

Pressing the mute button for 1.5 seconds will silence the sounder and stop the beacon flashing when an alarm condition is occurring.

*If the mute button is not depressed the sounder will silence after 20 minutes leaving the beacon and channel LED on.*

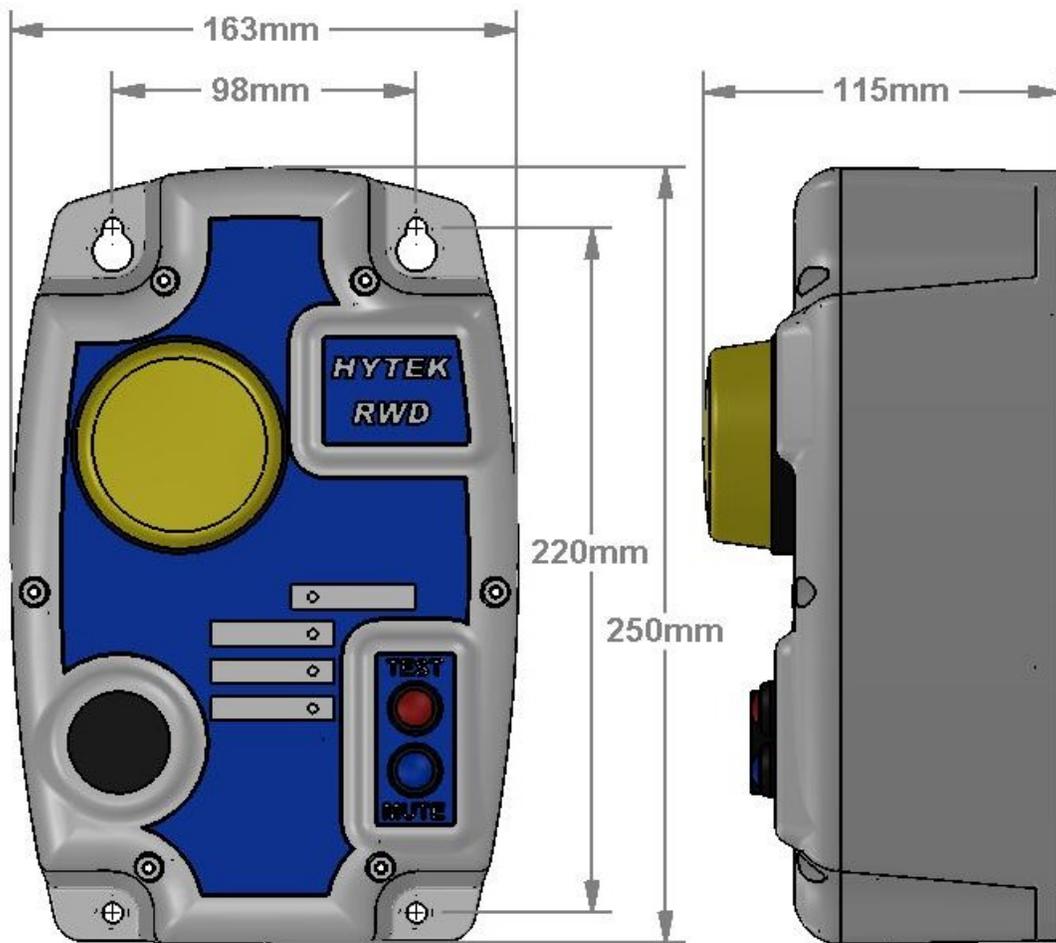
The channel LED will remain on until the alarm condition has been rectified (remote switch returns to its normal position).

### **ALARM TEST**

To test the RWD, push and hold the test button on the lid. If the RWD is functioning correctly the sounder should activate, the beacon will flash (if fitted) and all activated channel LEDs will illuminate.

If any of the channel LEDs flashes repeatedly then this indicates a fault with the channel.

## **FITTING DIMENSIONS**



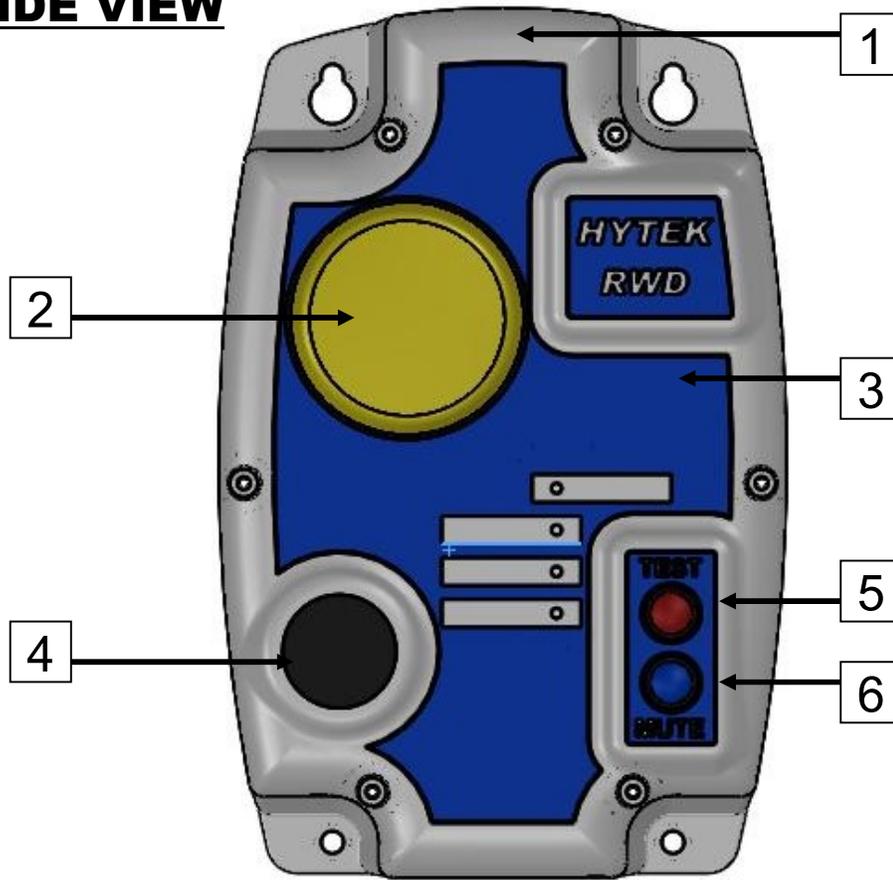
## **PARTS LIST**

### **HYTEK RWD PARTS LIST**

<b>PART NO.</b>	<b>EXPLODED VIEW REF</b>	<b>PART DESCRIPTION</b>
1	TA2.LID	RWD lid with all components - MAINS
2	TA.BEACON	RWD amber beacon
3	RWD.LAB2	Display lid label
4	TA.SOUND	RWD sounder
5	TC.AT	RWD test button
6	TC.AS	RWDmute button
7	TA.GLND	Cable gland PG7*
8	TA.BOX2	RWD box (base only)*
9	TA3A.PCBMAINS	RWD PCB 230Vac*
10	BLANK.12.7	12.7mm hole blank *
11	TA.LABP	Product label (9 labels per sheet) *
12	TA3.PCBDISP	RWD display PCB*

\*not shown

# **OUTSIDE VIEW**



# DECLARATION OF CONFORMITY



Company Name: **Hytek (GB) Ltd**

Address: **Delta House  
Green Street  
Elsenham  
Bishop's Stortford  
Hertfordshire  
CM22 6DS**

Date of Issue: **24<sup>th</sup> October 2022**

Equipment Details: **Hytek Remote Warning Device  
RWD**

Applicable Directives:  
& Standards

**SI 2016 1091 Electromagnetic Compatibility Regulations**

**SI 2016 1101 Electrical Equipment Safety Regulations**

**SI 2008 1597 Supply of Machinery Safety Regulations**

**SI 2013 3113 Waste Electrical & Electronic Equipment Regulations**

**SI 2012 3032 Restriction of Use of Certain Hazardous Substances Regulations**

Declaration Number: **UK036 Issue 9**

On behalf of the above-named company, I declare under our sole responsibility that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives.

A handwritten signature in cursive script that reads "Clive Wellings".

Clive Wellings Process Co-ordinator  
24<sup>th</sup> October 2022  
Bishop's Stortford, Herts

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